

N. Johnson

#4

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/208,619

DATE: 08/02/1999
TIME: 16:21:32

INPUT SET: S32740.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

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(1) General Information

(i) APPLICANT: Hillman, Jennifer L.
Goli, Surya K.

(ii) TITLE OF THE INVENTION: NOVEL HUMAN MITOCHONDRIAL
MEMBRANE PROTEIN

(iii) NUMBER OF SEQUENCES: 4

(iv) CORRESPONDENCE ADDRESS:

- (A) ADDRESSEE: Incyte Pharmaceuticals, Inc.
- (B) STREET: 3174 Porter Drive
- (C) CITY: Palo Alto
- (D) STATE: CA
- (E) COUNTRY: USA
- (F) ZIP: 94304

(v) COMPUTER READABLE FORM:

- (A) MEDIUM TYPE: Diskette
- (B) COMPUTER: IBM Compatible
- (C) OPERATING SYSTEM: DOS
- (D) SOFTWARE: FastSEQ for Windows Version 2.0

(vi) CURRENT APPLICATION DATA:

- (A) APPLICATION NUMBER: 09/208,619
- (B) FILING DATE:
- (C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

- (A) APPLICATION NUMBER: 08/812,645
- (B) FILING DATE:

(viii) ATTORNEY/AGENT INFORMATION:

- (A) NAME: Billings, Lucy J
- (B) REGISTRATION NUMBER: 36,749
- (C) REFERENCE/DOCKET NUMBER: PF-0229 US

(ix) TELECOMMUNICATION INFORMATION:

- (A) TELEPHONE: 415-855-0555
- (B) TELEFAX: 415-845-4166

ENTERED

RAW SEQUENCE LISTING
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(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 172 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(vii) IMMEDIATE SOURCE:

- (A) LIBRARY: BLADNOT04
- (B) CLONE: 1318463

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Met	Glu	Glu	Tyr	Ala	Arg	Glu	Pro	Cys	Pro	Trp	Arg	Ile	Val	Asp	Asp
1				5				10					15		
Cys	Gly	Gly	Ala	Phe	Thr	Met	Gly	Val	Ile	Gly	Gly	Gly	Val	Phe	Gln
		20					25					30			
Ala	Ile	Lys	Gly	Phe	Arg	Asn	Ala	Pro	Val	Gly	Ile	Arg	His	Arg	Leu
		35				40					45				
Arg	Gly	Ser	Ala	Asn	Ala	Val	Arg	Ile	Arg	Ala	Pro	Gln	Ile	Gly	Gly
	50					55				60					
Ser	Phe	Ala	Val	Trp	Gly	Gly	Leu	Phe	Xaa	Thr	Ile	Asp	Cys	Gly	Leu
	65				70					75				80	
Val	Arg	Leu	Arg	Gly	Lys	Glu	Asp	Pro	Trp	Asn	Ser	Ile	Thr	Ser	Gly
			85					90					95		
Ala	Leu	Thr	Gly	Ala	Val	Leu	Ala	Ala	Arg	Ser	Gly	Pro	Leu	Ala	Met
		100						105					110		
Val	Gly	Ser	Ala	Met	Met	Gly	Gly	Ile	Leu	Leu	Ala	Leu	Ile	Glu	Gly
		115					120					125			
Val	Gly	Ile	Leu	Leu	Thr	Arg	Tyr	Thr	Ala	Gln	Gln	Phe	Arg	Asn	Ala
	130					135				140					
Pro	Pro	Phe	Leu	Glu	Asp	Pro	Ser	Gln	Leu	Pro	Pro	Lys	Asp	Gly	Thr
	145				150				155					160	
Pro	Ala	Pro	Gly	Tyr	Pro	Ser	Tyr	Gln	Gln	Tyr	His				
			165					170							

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 655 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:

- (A) LIBRARY: BLADNOT04
- (B) CLONE: 1318463

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

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100
101 GCGCGGNCAG ACGNCAGCGC CATGGAGGAG TACGCTCGGG AGCCCTGCCC ATGGCGAATT      60
102 GTGGATGATT GCGGTGGAGC CTTCACTATG GGTGTCATCG GTGGCGGAGT CTTCCAGGCC      120
103 ATCAAGGGTT TCCGCAATGC CCCTGTTGGA ATTCGGCACC GGTGAGAGG TAGTGCCAAT      180
104 GCTGTGAGGA TCCGAGCCCC CCAGATTGGA GGTAGCTTCG CAGTGTGGGG GGGCCTGTTC      240
105 TNCACCATTG ACTGTGGCCT GGTGCGGCTT CGGGGCAAGG AGGATCCCTG GAACTCTATC      300
106 ACCAGTGGAG CATTGACCGG GGCTGTGCTG GCTGCCCGCA GTGGCCCACT GGCCATGGTG      360
107 GGCTCAGCAA TGATGGGGGG CATCCTGTTG GCCCTCATTG AGGGCGTTGG CATCCTCCTC      420
108 ACTCGCTACA CAGCCCAGCA GTTCCGAAAT GCGCCCCCAT TCCTGGAGGA CCCCAGCCAG      480
109 CTGCCCCCTA AGGATGGCAC CCCGGCCCCA GGCTACCCCA GCTATCAGCA GTACCACTGA      540
110 GGAAGCCACT GCCACCATGG GAGCTACTTC TCGGTTCCCT CCCCAGTGGT CTACCTCGAA      600
111 GGGAGGGCTG GCTCCCAGTT AGCCCTGGGA CCCTCCAGAG AGGGTTTCTA TCTGT      655
112

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(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 171 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(vii) IMMEDIATE SOURCE:

- (A) LIBRARY: GenBank
- (B) CLONE: GI 1770564

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

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128 Met Glu Glu Tyr Ala Arg Glu Pro Cys Pro Trp Arg Ile Val Asp Asp
129   1           5           10           15
130 Cys Gly Gly Ala Phe Thr Met Gly Thr Ile Gly Gly Gly Ile Phe Gln
131           20           25           30
132 Ala Ile Lys Gly Phe Arg Asn Ser Pro Val Gly Val Asn His Arg Leu
133           35           40           45
134 Arg Gly Ser Leu Thr Ala Ile Lys Thr Arg Ala Pro Gln Leu Gly Gly
135           50           55           60
136 Ser Phe Ala Val Trp Gly Gly Leu Phe Ser Met Ile Asp Cys Ser Met
137           65           70           75           80
138 Val Gln Val Arg Gly Lys Glu Asp Pro Trp Asn Ser Ile Thr Ser Gly
139           85           90           95
140 Ala Leu Thr Gly Ala Ile Leu Ala Ala Arg Asn Gly Pro Val Ala Met
141           100          105          110
142 Val Gly Ser Ala Ala Met Gly Gly Ile Leu Leu Ala Leu Ile Glu Gly
143           115          120          125
144 Ala Gly Ile Leu Leu Thr Arg Phe Ala Ser Ala Gln Phe Pro Asn Gly
145           130          135          140
146 Pro Gln Phe Ala Glu Asp Pro Ser Gln Leu Pro Ser Thr Gln Leu Pro
147           145          150          155          160
148 Ser Ser Pro Phe Gly Asp Tyr Arg Gln Tyr Gln
149           165          170
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(2) INFORMATION FOR SEQ ID NO:4:

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RAW SEQUENCE LISTING
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153 (i) SEQUENCE CHARACTERISTICS:
154 (A) LENGTH: 158 amino acids
155 (B) TYPE: amino acid
156 (C) STRANDEDNESS: single
157 (D) TOPOLOGY: linear
158
159 (ii) MOLECULE TYPE: protein
160 (vii) IMMEDIATE SOURCE:
161 (A) LIBRARY: GenBank
162 (B) CLONE: GI 557267
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164 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
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166 Met Ser Ala Asp His Ser Arg Asp Pro Cys Pro Ile Val Ile Leu Asn
167 1 5 10 15
168 Asp Phe Gly Gly Ala Phe Ala Met Gly Ala Ile Gly Gly Val Val Trp
169 20 25 30
170 His Gly Ile Lys Gly Phe Arg Asn Ser Pro Leu Gly Glu Arg Gly Ser
171 35 40 45
172 Gly Ala Met Ser Ala Ile Lys Ala Arg Ala Pro Val Leu Gly Gly Asn
173 50 55 60
174 Phe Gly Val Trp Gly Gly Leu Phe Ser Thr Phe Asp Cys Ala Val Lys
175 65 70 75 80
176 Ala Val Arg Lys Arg Glu Asp Pro Trp Asn Ala Ile Ile Ala Gly Phe
177 85 90 95
178 Phe Thr Gly Gly Ala Leu Ala Val Arg Gly Gly Trp Arg His Thr Arg
179 100 105 110
180 Asn Ser Ser Ile Thr Cys Ala Cys Leu Leu Gly Val Ile Glu Gly Val
181 115 120 125
182 Gly Leu Met Phe Gln Arg Tyr Ala Ala Trp Gln Ala Lys Pro Met Ala
183 130 135 140
184 Pro Pro Leu Pro Glu Ala Pro Ser Ser Gln Pro Leu Gln Ala
185 145 150 155
186

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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/208,619

DATE: 08/02/1999
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Line

Error

Original Text

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SEQUENCE MISSING ITEM REPORT
PATENT APPLICATION US/09/208,619

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< < THERE ARE NO ITEMS MISSING > >

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SEQUENCE CORRECTION REPORT
PATENT APPLICATION US/09/208,619

DATE: 08/02/1999
TIME: 16:21:34

INPUT SET: S32740.raw

Line	Original Text	Corrected Text
3	(1) General Information	(1) GENERAL INFORMATION:
8	(ii) TITLE OF THE INVENTION: NOVEL HUMAN MITO	(ii) TITLE OF INVENTION: NOVEL HUMAN MITOCHO